

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
30277P WO	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
International application No. PCT/EP2004/003245	26/03/2004	26/03/2003	
Applicant APOGENIX BIOTECHNOLOGY AG			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐

With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.

☐

Certain claims were found unsearchable (See Box II).

3.

☐

Unity of invention is lacking (see Box III).

4. With regard to the title,

☒

the text is approved as submitted by the applicant.

☐

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒

the text is approved as submitted by the applicant.

☐

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____

☐

as suggested by the applicant.

☐

as selected by this Authority, because the applicant failed to suggest a figure.

☐

as selected by this Authority, because this figure better characterizes the invention.

b. ☒

none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP2004/003245

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K19/00 A61P31/12 A61P31/16 //C07K14/47, C07K14/52,
C07K14/705

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, MEDLINE, EMBASE, WPI Data, PAJ, SEQUENCE SEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

E. P. 00011147 PHARMACIA IN A. P. 00011147

Category *	Citation of document, with indication, where appropriate, of the relevant passages†	Relevant to claim No.
X	US 6 072 047 A (RAUCH CHARLES ET AL) 6 June 2000 (2000-06-06) column 1, line 57 - line 63 page 4, line 52 - line 56 example 7 column 12, line 60 - column 13, line 12 column 2, line 11 - line 14 column 20, line 25 - column 21, line 34 example 4 column 22, line 36 - column 23, line 39 column 15, line 29 - line 36 column 18, line 42 - column 19, line 40 example 8 column 19, line 41 - line 56 column 21, line 47 - line 51 --- ---	1,4,6-21

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

16 September 2004

Date of mailing of the international search report

11/10/2004

Name and mailing address of the ISA

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Irion, A

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/003245

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 284 236 B1 (GOODWIN RAYMOND G ET AL) 4 September 2001 (2001-09-04) column 11, line 48 -column 12, line 19 ✓ column 30, line 15 -column 31, line 58 example 4 column 29, line 10 -column 30, line 14 column 24, line 53 - line 62 example 12 column 32, line 5 - line 20 ---	1,4,6,7, 11-13, 17-21
X	WO 99/09165 A (IDUN PHARMACEUTICALS INC) 25 February 1999 (1999-02-25) page 23, paragraph 3 -page 24, paragraph 1 page 3, paragraph 3 page 27, paragraph 5 -page 31, paragraph 1 ✓ page 4, paragraph 2 page 24, paragraph 4 -page 25, paragraph 1 page 7, paragraph 2 page 11, paragraph 2 page 18, paragraph 3 -page 19, paragraph 4 ---	19-21
X	WO 00/66156 A (HUMAN GENOME SCIENCES INC ; NI JIAN (US); ROSEN CRAIG A (US); GENTZ RE) 9 November 2000 (2000-11-09) ✓ page 67, line 16 -page 68, line 14 page 100, line 6 -page 111, line 2 page 131, line 9 - line 14 page 127, line 19 -page 128, line 5 page 153, line 15 - line 28 page 132, line 1 - line 14 page 140, line 10 -page 141, line 31 page 147, line 18 -page 148, line 4 page 152, line 16 - line 17 page 161, line 10 -page 163, line 19 page 154, line 28 -page 156, line 25 page 176, line 20 - line 21 page 177, line 14 - line 27 ---	1,4-14, 17-21
X	WO 02/097033 A (DOBSON CLARIE LOUISE ; VAUGHAN TRISTAN JOHN (GB); HUMAN GENOME SCIENCE) 5 December 2002 (2002-12-05) ✓ paragraph '0319! - paragraph '0323! --- -/--	1,4,12

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/003245

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>RAFTERY MARTIN J ET AL: "Targeting the function of mature dendritic cells by human cytomegalovirus: A multilayered viral defense strategy" ✓</p> <p>IMMUNITY, vol. 15, no. 6, December 2001 (2001-12), pages 997-1009, XP002296338 ISSN: 1074-7613 cited in the application abstract page 1005, right-hand column, paragraph 3 -page 1006, left-hand column, paragraph 3 page 1007, right-hand column, paragraph 4 page 999, left-hand column, paragraph 1</p>	1,6-10, 17
P,X	<p>WURZER WALTER J ET AL: "Caspase 3 activation is essential for efficient influenza virus propagation." ✓</p> <p>EMBO (EUROPEAN MOLECULAR BIOLOGY ORGANIZATION) JOURNAL, vol. 22, no. 11, 2 June 2003 (2003-06-02), pages 2717-2728, XP002296339 ISSN: 0261-4189 the whole document</p>	15,16
P,X	<p>W.WURZER: "Dissertation: Die Rolle des Transkriptionsfaktors NF-kB in Influenza-A-Virus infizierten Zellen" ✓</p> <p>'Online! 27 June 2003 (2003-06-27), BAYRISCHE JULIUS-MAXIMILLIANS-UNIVERSITÄT WÜRZBURG XP002296341 Retrieved from the Internet: <URL: http://opus.bibliothek.uni-wuerzburg.de/opus/volltexte/2003/590/pdf/4.Fassung.pdf> 'retrieved on 2004-09-10! the whole document</p>	1-21
T	<p>WURZER WALTER J ET AL: ✓</p> <p>"NF-kappaB-dependent induction of tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) and Fas/FasL is crucial for efficient influenza virus propagation." THE JOURNAL OF BIOLOGICAL CHEMISTRY. 23 JUL 2004, vol. 279, no. 30, 23 July 2004 (2004-07-23), pages 30931-30937, XP002296340 ISSN: 0021-9258 the whole document</p>	1-21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/003245

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